



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Blaise deB. Frederick et al. Art Unit : 2859
Serial No. : 09/909,932 Examiner : Brij B. Shrivastav
Filed : July 20, 2001
Title : GENERATION OF SYNTHETIC NUCLEAR MAGNETIC RESONANCE SIGNALS

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REPLY TO ACTION OF MAY 5, 2004

In reply to the Office Action of May 5, 2004, Applicant submits the following remarks.

The Patent Claims

Claims 1-28 and 33-36:

Examiner rejected 1-28 and 33-36 as anticipated by Briggs (US 4,707,797). There are four independent claims in the application: claims 1, 11, 20, and 25. These independent claims involve apparatuses and methods for simulating a waveform of a subject undergoing a magnetic resonance scan. Each of them requires that the generated "waveform simulates a waveform of a subject undergoing a magnetic resonance scan." Briggs does not disclose this claim requirement.

Briggs discloses a waveform generator, but Briggs uses this waveform generator in an entirely different way than is claimed here. Briggs does not involve simulation at all. While the claims involve simulating a waveform of a subject undergoing NMR imaging, Briggs teaches a waveform generator for use in NMR imaging of a subject. Briggs states, "The heart of the

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